

September 7, 2021

**Earthquake Research Institute, The University of Tokyo
Recruitment Information for Project Researcher (Fixed-Term Project Staff)**

Earthquake Research Institute, The University of Tokyo is seeking project researchers who promote the project entitled “Promotion of Earthquake Researches Based on Interaction Between Artificial Intelligence and Natural Intelligence” (Principal Investigator: Hiromichi Nagao), which is one of projects of “Seismology Toward Research Innovation with Data of Earthquake” (STAR-E Project) promoted by Ministry of Education Culture, Sports, Science and Technology, Japan.

1. Title and Hiring Numbers: Project Researcher, 3 persons.
2. Term of Employment: April 1, 2022 to March 31, 2023.
3. Renewal of Contract: Your employment agreement may be renewed. In the event of renewal, your employment agreement will be renewed every 1 year. Renewal of your employment agreement will be determined by the following factors: All relevant factors, such as budget status, progress of the work assigned to you, the amount of the work at the end of the term, your performance, work record, and attitude, and/or your medical conditions. The number of renewals can be three times. The period of employment is limited March 31, 2026.
4. Probation Period: 6 months from the date of employment
5. Place of Work: Earthquake Research Institute, The University of Tokyo
(1-1-1, Yayoi, Bunkyo-ku, Tokyo)
6. Affiliation: Division or research center you belong to will be decided after the notification of hiring.
7. Research Area: State-of-the-Art Information Seismology
8. Contents of Work Duties: This project, scoping “Interaction Between Artificial Intelligence and Natural Intelligence in Seismology”, dedicates to apply the state-of-the-art information science to seismic waveform data, aiming to deepen the detection methods for earthquakes/low-frequency tremors and the modeling techniques in seismology, through collaborations between the seismologists at Earthquake Research Institute, The University of Tokyo, the information scientists and statisticians at Graduate School of Engineering Science, Osaka University. Successful applicants are obliged to develop methods such as deep learning models to detect earthquakes/low-frequency tremors from big seismic waveform data (digital data and image data) and their applications to real observational data, or modeling techniques for spatiotemporal earthquake/tremor activities or for underground structures based on

machine learning, collaborating with seismologists and information scientists.

9. Working Hours: Discretionary work system for professional work applies and working hours will be deemed as 7 hours and 45 minutes per day.
10. Days off: Saturdays, Sundays, Holidays, and the year-end and New Year holidays (December 29 to January 3).
11. Leave: Annual Paid Leave, Special Leave, etc.
12. Wages, etc.: Annual Salary System applies and monthly paid salary will be around JPY 400,000 to JPY 500,000 including performance / achievement allowance. (The salary will be decided taking your qualifications, capacity, experience etc. into account.)
Commuting Allowance (basically up to JPY 55,000 per month).
13. Insurance: You will be automatically enrolled in the insurance from the Mutual Aid Association of MEXT (Ministry of Education, Culture, Sports, Science and Technology) and Employment Insurance.
14. Qualification Requirements: 1) Ph.D. or doctoral degree, including those who are expected to earn these degrees or possess equivalent abilities.
2) Publications in seismology, information science, statistics, or applied mathematics.
3) Motivation to develop methods to analyze seismic waveform data (digital and/or image data). Having experience in seismic data analyses is preferable but not mandatory.
15. Documents to be Submitted: 1) The University of Tokyo Standard Resume (Download the resume form from the website below. E-mail address is required.)
<https://www.u-tokyo.ac.jp/en/about/jobs.html>
2) Publication list
Describe “peer-reviewed” or “non-peer-reviewed” for each paper, and include research budgets and prizes you were awarded.
3) PDF files of main papers within three
4) Outline of your researches so far (approx. 2 pages)
5) Research plan after the hiring (approx. 2 pages)
6) Names and contacting information of two researchers who can comment about you
16. Deadline of Application: December 24 (Friday), 2021, 5 p.m. (Japan Standard Time, UTC+9)
This open call will close even before the deadline if a successful applicant is decided.
17. Procedure for Selection: Document screening and interview. Details of the interview will be informed to applicants who have passed the document screening.

18. Submission of Documents: Upload the above documents to the specified submission site. Request the URL of the submission site to Personnel Affairs Section via e-mail below, describing “Application for STAR-E Researcher” in the subject. Upload the documents by the deadline of application through the URL Personnel Affairs Section will inform. Submission using e-mail attachment is not allowed.

Personnel Affairs Section
Earthquake Research Institute, The University of Tokyo
E-mail: jinji%eri.u-tokyo.ac.jp (replace % with @)
Phone: +81-3-5841-8789

19. Contact: Hiromichi Nagao
Earthquake Research Institute, The University of Tokyo
E-mail: nagaoh%eri.u-tokyo.ac.jp (replace % with @)
Phone: +81-3-5841-1766

20. Name of Recruiter: The University of Tokyo

21. Miscellaneous: The acquired personal information will not be used for any purpose other than personal selection.
Women’s applications are highly welcome based on the “Declaration of Gender Equality Acceleration” at the University of Tokyo (March 3, 2009).